

Arbitrator (ARB-SI) ver.1.9
Basic Operation
[For Officers]

Arbitrator (ARB-SI) Ver.1.9 Basic Operation for Officers

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(1) Control Reference Guide

Front Camera (AG-CK10P)

Rear panel LED Control

Backlight compensation
to make it brighter

Auto Zoom
Camera Control



Connector for VPU

T(TELE) for Zoom In
W(WIDE) for Zoom Out

REC Start and STOP

*Keep pressing this button for
more than 2 seconds will stop recording.

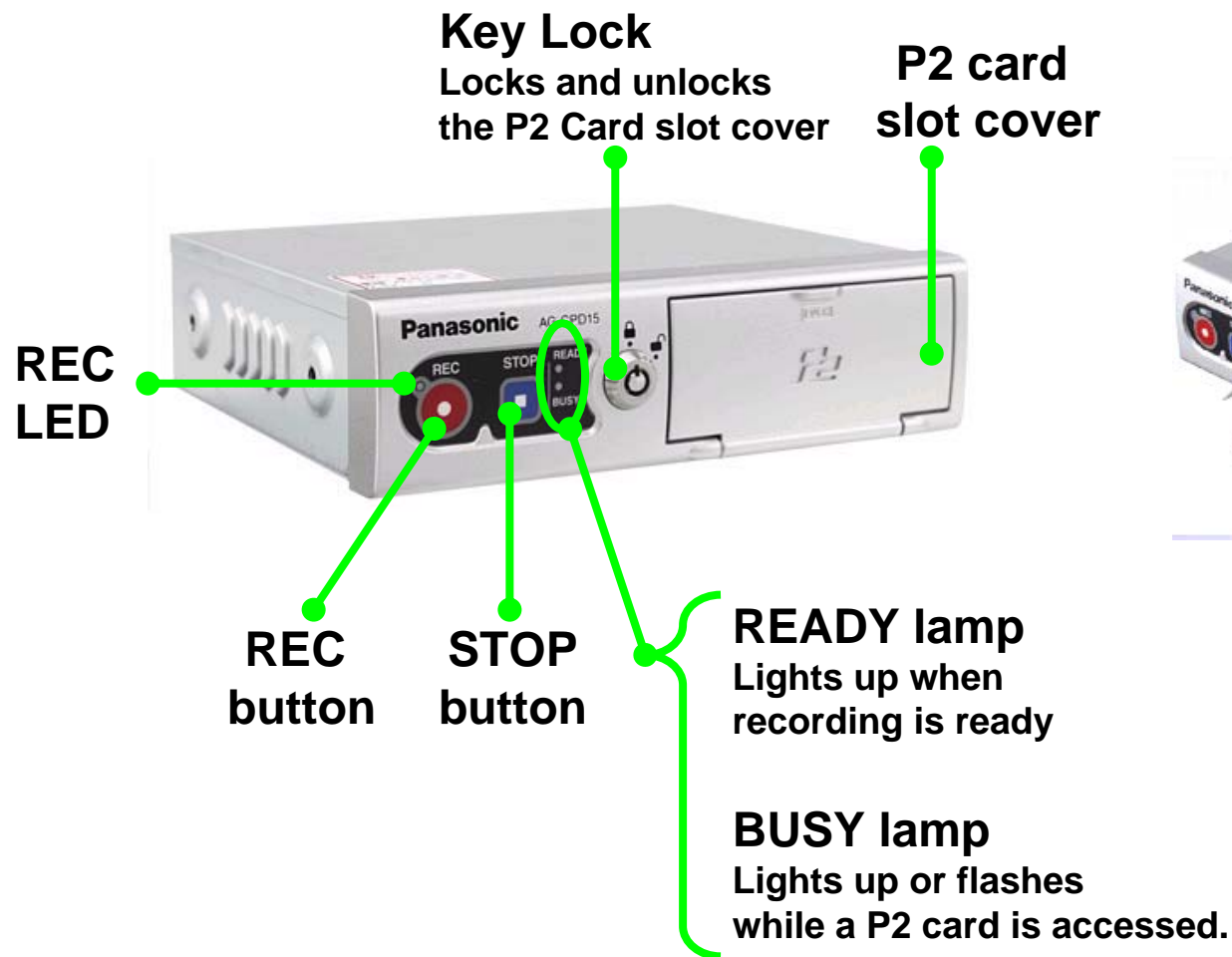
REC LED
Lights up in RED
while recording



SUN Shade

(1) Control Reference Guide

P2 Recorder - VPU (AG-CPD15P)



Control Reference Guide

Digital Wireless Microphone TX and RX (CCR24PNA)

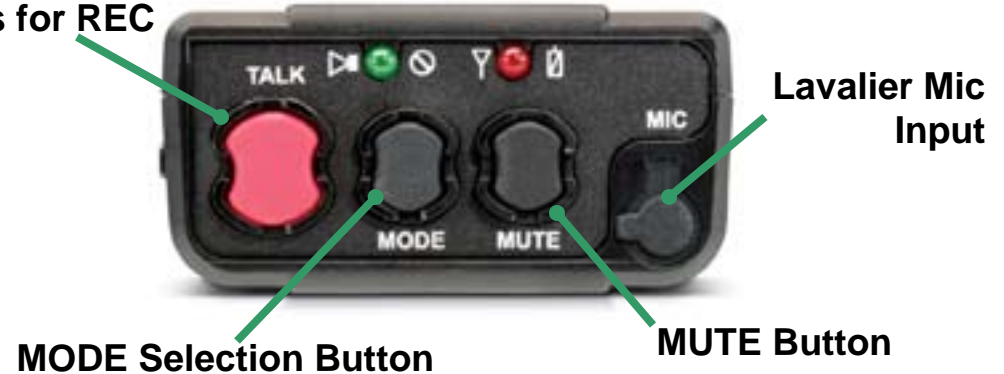
Transmitter (TX)
with Receiver (RX)



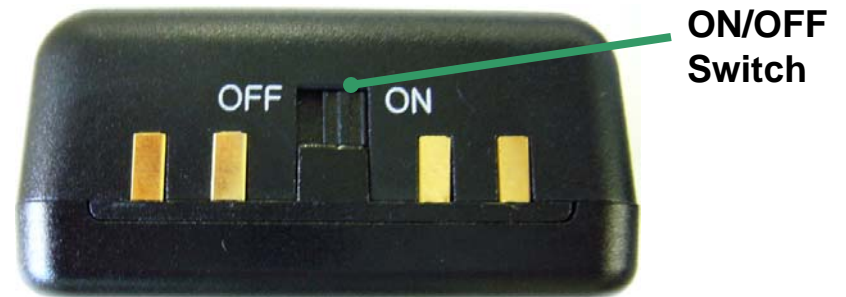
TALK ON : **Green** LED
BATT : **Red**-Charging, **Green**-Fully charged

Transmitter (Top View)

TALK Button:
Press for REC



Transmitter (Bottom View)



Please refer to CCR24PNA User Guide for more operation information

Control Reference Guide

(CCR24PNA Vibration / LED Indication)

Mode Selection	when Tx is ready	when Tx is under recording mode	when Tx is under "Low Battery" status	when Tx is under "Out Of Range" status	when Mute is initiated
Vibration and LED	No Vibration	Vibration (one time only)	Vibration (1 time per second)	Vibration (2 times per 3 seconds)	Vibration (1 time per 5 seconds)
	GREEN On	GREEN Blink	RED Blink	RED On	Tx is not recording: GREEN On & RED Fast Blink ----- Tx is under recording: GREEN Blink & RED Fast Blink
Vibration Only	No Vibration	Vibration (one time only)	Vibration (1 time per second)	Vibration (2 times per 3 seconds)	Vibration (1 time per 5 seconds)
None	No Vibration No LED				

1. Default mode when power on.
2. After synchronized, the mode goes back to the last.
3. Please refer to CCR24PNA User Guide for more operation information

(2) SI (Front End Application) “LIVE” Mode Menu for Officer

Select “LIVE” tab of SI (Front End Application) for Live recording control.

Auto Zoom

Bookmark

While recording, users can creating a bookmark by pressing this button.

Backlight Compensation

W: Zoom Out
T: Zoom In



Advanced Camera

For camera and audio control

Video Information

For metadata and officer information

Status Information

For P2 card storage capacity and system messages

Pressing these buttons will expand more menu on the right side of screen.

REC Button

Stop Button

Audio 2 Mute
Mute 2nd Audio by pressing on this button

IR Mode
(Auto/ON/OFF)

Camera Select
(Camera1/2))

Snap Shot
Get a Still image of whatever the camera is currently viewing

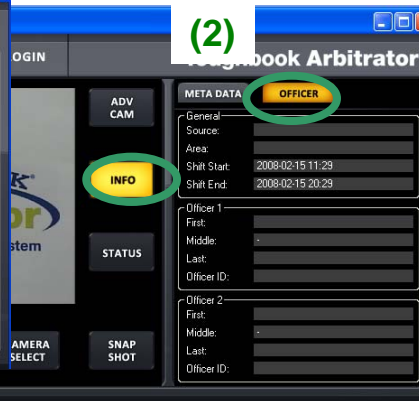
(2) SI (Front End Application) “LIVE” Mode Menu for Officer



Pressing these buttons (“ADV CAM”, “INFO”, “STATUS”) will expand the menu on the right side.

ADV CAM (Advanced Camera)

For camera and audio control
(More detail in “Camera Control”)



INFO (Video Information)

(1) “META DATA” for GPS, Radar Gun, GPIO trigger information
(2) “OFFICER” for Source, Area, Shift time, Officer 1, 2 information



Status (Status Information)

“Storage Capacity”:
Show how much space has been taken on P2 card and how much time remaining

“Status”:
Any system message including errors, bookmark creation, snapshot will be displayed.

(3) Record the video (“LIVE” Mode)

Press REC button for (1) VPU (P2 Recorder), (2) Camera (Rear Panel), or (3) “LIVE” tab of SI

*If the trigger is set, VPU will start recording automatically when the trigger is on.



<VPU-P2 Recorder>



<Camera>



<SI-Front End Application>

When recording, users can see the viewing pane surrounded in a red highlight and the letter “REC” in the upper left corner of SI (Front End Application)

How to Stop Recording the video?

- (1) Press STOP button for VPU (P2 Recorder), or “Live” tab of SI.
- (2) Keep pressing the Camera REC button for 2 seconds.

(4) Playback the recorded video (“ARCHIVE” Mode)

Select “ARCHIVE” tab of SI for viewing the recorded video.

Archive

List all the files available for playback on VPU. Double clicking the file will begin playing in display area

Bookmark

Create a bookmark when viewing the video by pressing this button.

Playback Control

Rewind, Pause, Slow and Fast Forward

Snapshot

Make a still image of whatever camera is currently viewing

Audio

By pressing this button, mute Audio1 or 2

Pressing “INFO” button will expand the screen that can be viewed “META DATA”, “OFFICER” information and “BOOKMARK”

“Bookmark”

Date/Time

A dropdown list containing all the bookmark for the selected file

Event Type/Description

User can enter free form text into this field, which will be a searchable descriptor in Back End application

OK

Saves the edits or additions made to Bookmark

Reload

Changes back to the original format before the recent changes

“META DATA”

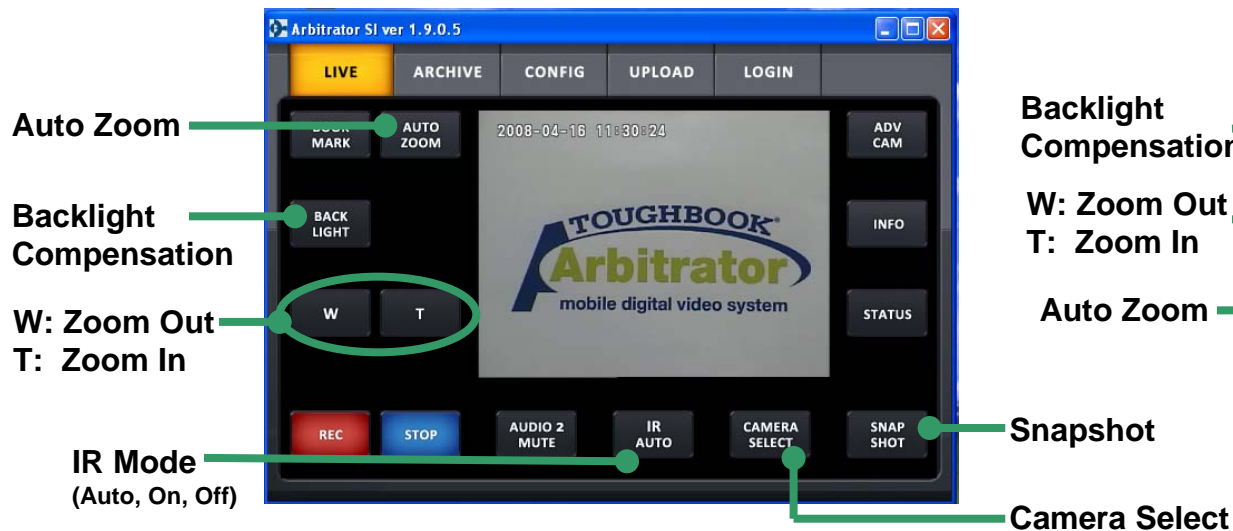
META DATA	OFFICER	BOOKMARK
GPS Information		
Latitude		
Longitude		
Speed		
Radar Gun Information		
Radar		
Own		
Target		
GPIO (Trigger)		
Show max. 8 triggers configured for the system		

Officer Information
Including Source, Area, Shift time, Officer 1, 2 as meta data

“OFFICER”

META DATA	OFFICER	BOOKMARK
General		
Source		
Area		
Shift Start		
Shift End		
Officer 1		
First		
Middle		
Last		
Officer ID		
Officer 2		
First		
Middle		
Last		
Officer ID		

(5) Camera Control (“LIVE” Mode)



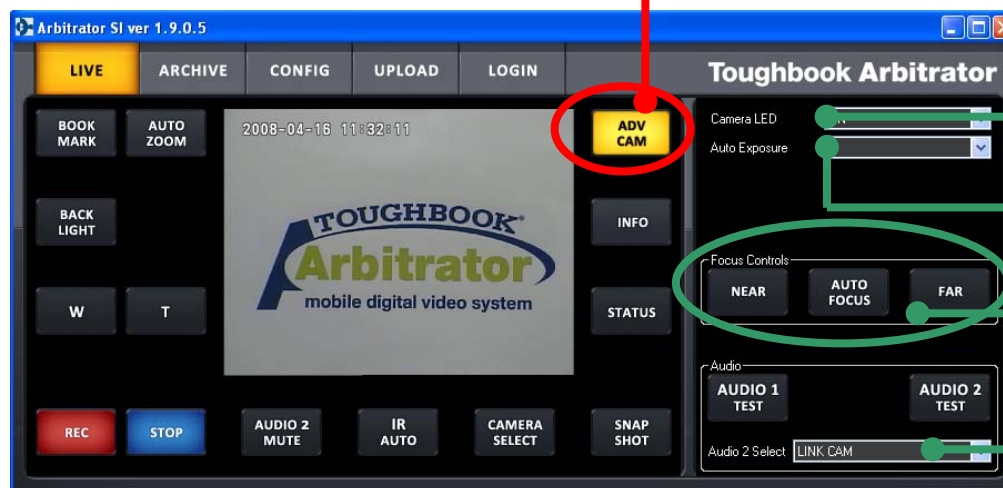
Backlight Compensation

W: Zoom Out
T: Zoom In

Auto Zoom



Pressing “ADV CAM” button for camera and audio control will expand a more menu on the right side.
*Initial LPR mode is disabled.



Camera LED

The camera REC LED will light up Red when it is on

Auto Exposure

To set up the brightness of the picture

Focus Control

To configure the sharpness of the image manually (Near/Far) or automatically

Audio 2 Select

1. “IN CAR” for In car Mic (Mic in)
2. “WMIC” for 2nd Wireless Mic (Audio 2 in)
3. “LINKCAM” to change the Audio 1 or 2 by linking with the camera changes,
*Audio 1 for Wireless Mic 1 (Audio 1 in)

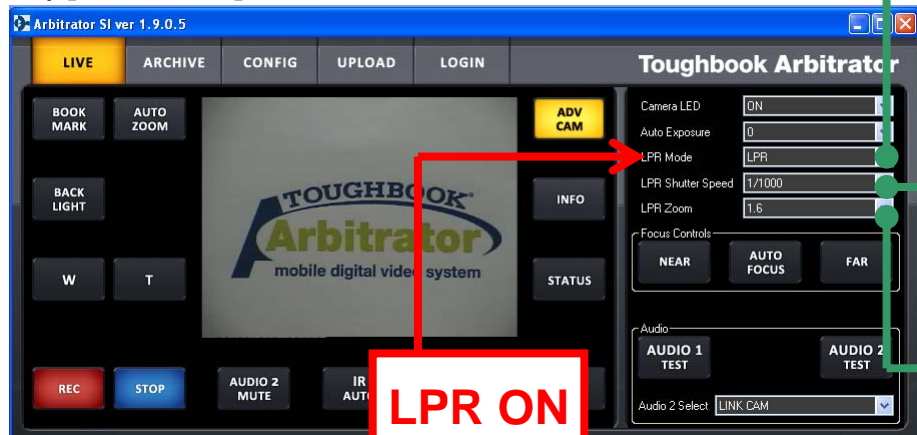
(5) Camera Control

for LPR (License Plate Recognition) users (“LIVE” Mode)

This camera control is for LPR (License Plate Recognition) users. In order to use LPR mode, the administrator needs to set up “Init LPR Mode” as “Enable” in Admin/Camera menu.

[When the recording is being **STOPPED** in “Live” mode]

1) [LPR Mode] is set to “LPR”



LPR ON

Select “LPR” for LPR **ON**,
or “PATROL” for LPR **OFF**

Select “AUTO”, “1/500”
Or “1/1000”

Select “AUTO”, “1/100”,
“1/500” or “1/1000”

Set x1.0 to x22.0

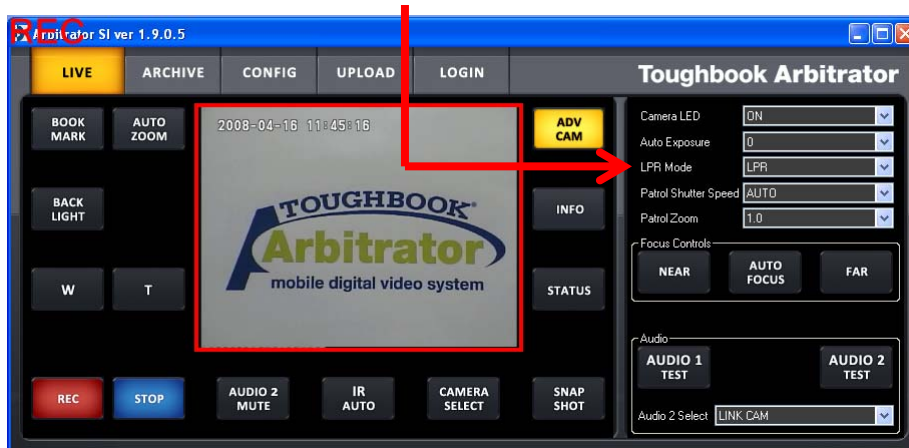
2) [LPR Mode] is set to “PATROL”



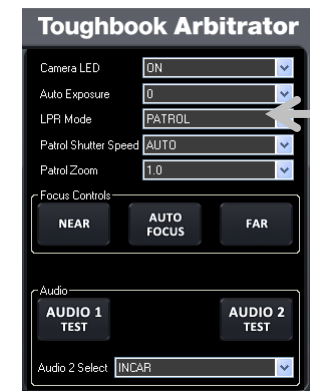
LPR OFF

[When the “Live” screen is being **RECORDED**]

1) [LPR Mode] is set to “LPR”



2) [LPR Mode] is set to “PATROL”



(6) Officer Information (“LOGIN” Mode)

Register at the beginning of shift

[Register by “LOGIN” of SI]

- (1) Select “LOGIN” tab and type all the information (Shift, Vehicle, Officer name) at the beginning of shift.
- (2) After completing all the information, press “APPLY” button to register it.

Shift Pattern

Such as DUI, traffic stop etc according to the officer

Start/End

For the start and end time of the shift

Source

For the vehicle ID

Area

For the general location of where the mobile unit resides

Officer 1, 2

For the name of Officer 1 & 2

OID (Officer ID)

For the ID for Officer 1 & 2

The screenshot shows the 'Arbitrator SI ver 1.9.0.5' application window. The 'LOGIN' tab is selected and highlighted with a red circle. The interface contains several input fields for registration information:

- Shift Information:** Includes a 'Shift Pattern' dropdown and 'Start'/'End' date and time pickers.
- Vehicle Information:** Includes 'Source' and 'Area' text input fields.
- Officer 1:** Includes 'First', 'Middle', 'Last', and 'Officer ID' text input fields.
- Officer 2:** Includes 'First', 'Middle', 'Last', and 'Officer ID' text input fields.

At the bottom right, there are 'APPLY' and 'CANCEL' buttons. The 'APPLY' button is circled in green, and a green line connects it to the 'Press this button' instruction on the right.

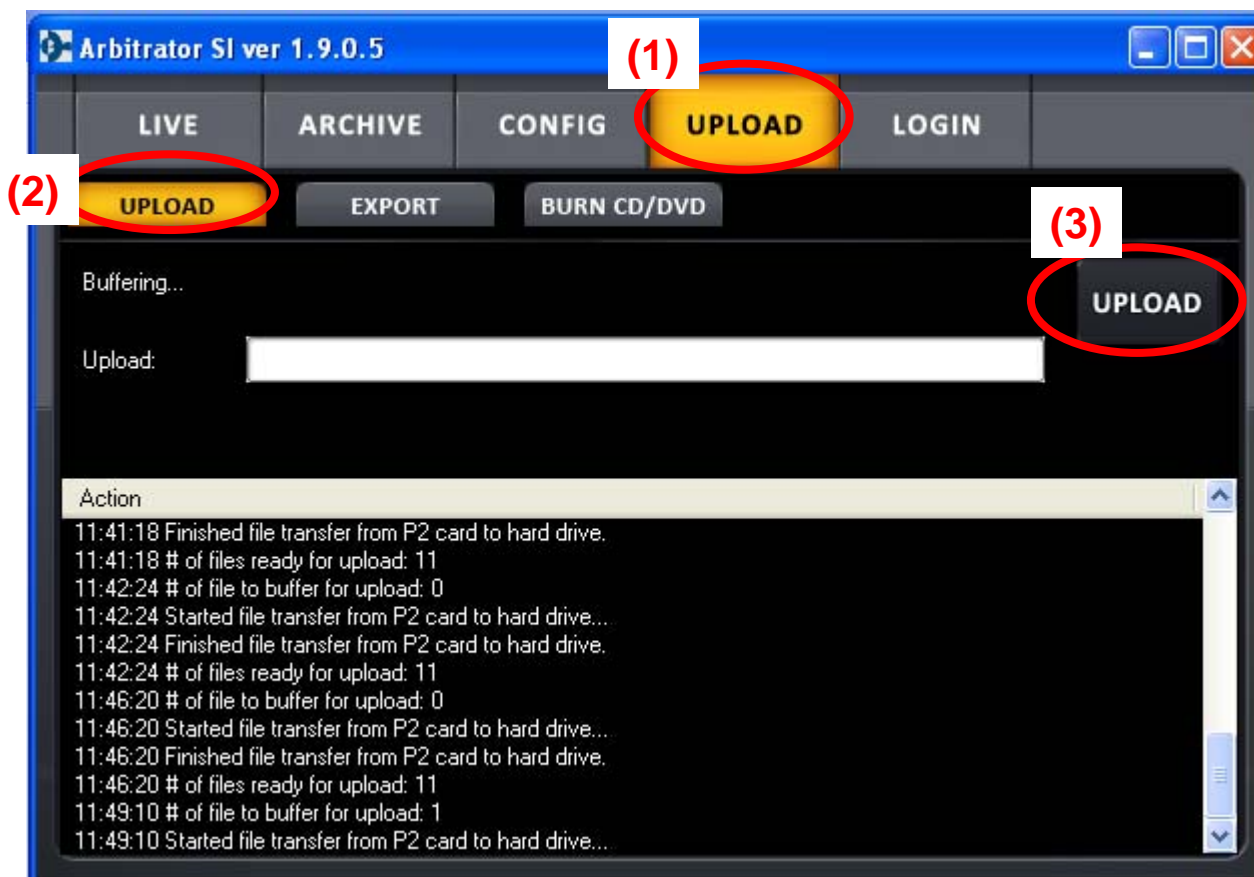
Press this button after entering all the information.

(7) Upload the recorded file (“**UPLOAD**” Mode)

For “**Manual**”* upload wirelessly, select (1) “**UPLOAD**” tab and press “**UPLOAD**” button (2), (3).

For “**Auto**”* upload wirelessly, **NO** need to go to this “**UPLOAD**” menu and video will be automatically uploaded once getting into wireless network range.

*If the administrator sets up “Use Auto Upload” as “False” at “**CONFIG**” menu, it will be “**Manual**” upload.
If setting it up as “True”, it will be “**Auto**” upload.



(8) Restore the recorded file (“RESTORE” Mode)

“RESTORE” button will be appeared in the tab of SI when the video file is corrupted* and cannot be played back.

*The video file corruption will occur when the power to the VPU is lost or turned off while recording, or when a P2 card is removed while recording

1. Select “RESTORE” tab (1) of SI and press “RESTORE” button (2) to solve the file corruption and restore the file.
2. Then, “RESTORE” button will be disappeared and the file will be restored.



Arbitrator (ARB-SI) ver. 1.9
Basic Set up & Operation
[For Administrators]

Arbitrator (ARB-SI) Ver.1.9 Basic Set up & Operation for Administrators

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APPENDIX: Setting Files for VPU by USB memory or P2 Card

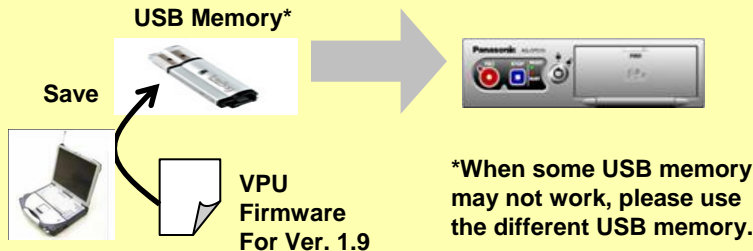
(0) For the Arbitrator version 1.8(or earlier) Users

-How to upgrade to version 1.9?-

If you have the version 1.8 or earlier of Arbitrator, it is necessary to **upgrade both SI (Front End Application) and VPU firmware to the version 1.9** as the following procedure.

[Step 1] **Upgrade VPU firmware FIRST by SI version 1.8 or earlier** you currently run on PC.

- 1) Please save the VPU firmware for the version 1.9 to the USB memory or P2 card.
- 2) Connect that USB memory or P2 card to VPU and by SI menu, go to "Config", "Operations" and press "Version up" to upgrade the VPU firmware.



[Step 2] **Then, Upgrade to SI version 1.9**

After upgrading the VPU firmware as [Step 1], please uninstall the SI you currently run and install the new SI version 1.9.

REMARK

If upgrading to SI version 1.9 first, you cannot operate the VPU because VPU firmware is still version 1.8 or earlier. Therefore, in order to upgrade the VPU firmware, please follow the above [Step1] 1). Connect the USB memory or P2 card to VPU. **Leaving the P2 card slot open**, follow the procedure in the chart below.

REC LED (RED)
READY LED (Green)



Procedure	Duration (Sec)	LED Display		
		REC	READY	BUSY
1) Keep pressing "STOP" button for 15 sec	15	OFF	OFF	OFF
2) Updating process for VPU microcomputer	45	ON	Flash	ON
3) Update complete	---	Flash	ON	Flash
4) Press "STOP" button to restart	---	Flash	Flash	Flash
5) Updating process for Front microcomputer	150	Flash	ON	ON
6) Version up complete	---	OFF	OFF	OFF



(1) Before use, Format 16G P2 card by SI

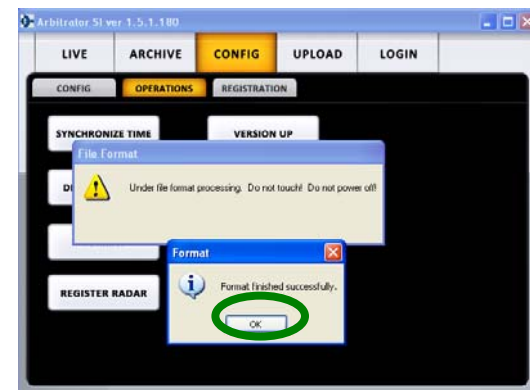
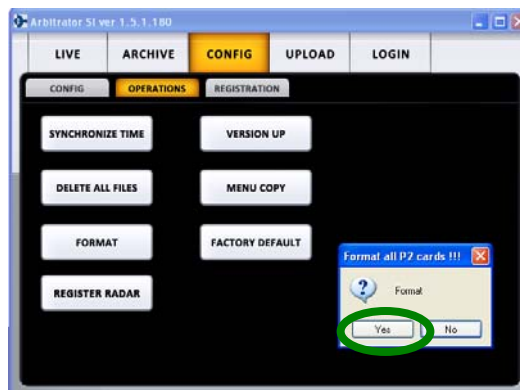
- **Formatting 16G P2 card is mandatory at the first time usage.**
- **When modified (copy, delete, move etc) folders in P2 Card, please format the card.**
(If you copy the folders/files from 5 slot P2 drive or PC PCMCIA to PC HDD, please format the card.)
- The format of 16G P2 card is available by Control Panel, 5 slot P2 drive and PC PCMCIA slot.
- Note that 16GB P2 card limit the number of files that can be recorded per below chart.

# of recording days	# of maximum recording files per day	
	With Bookmark	Without Bookmark
62 days	340 files	508 files

<How to format by SI?>

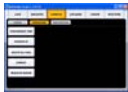




- Insert new 16GB P2 cards to P2 Recorder (VPU)
- Go to "Config" by SI menu and select "Operations".
Press "Format" and then select "Yes"

(c) Press "Format" and select "Yes".
Then, "Format finished successfully" message will be appeared when the format is completed.
(Press "Yes" to complete.)





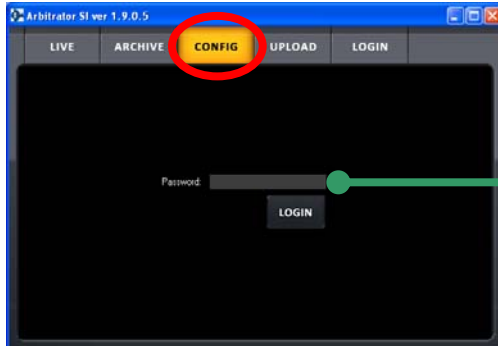
(1) 16GB P2 Card Format by Products / Combination with Windows version

Format by	How to format?
SI (FE Application) 	By SI Menu, go to “Config”-”Operations”-”Format”.
Control Panel 	By Control Panel Menu, go to “Setup Info”-”Admin”-”File Management”-”Format”
PC PCMCIA slot (Windows) 	Before format, install the P2 driver (from “P2 ICV Filter w/ P2 Drivers” CD included in Arbitrator kit) to PC. Then, select the removable disc drive in PC that inserted P2 card. Right click on that drive and select “format”
5 slot P2 Drive (AJ-PCD20P) 	Before format, install the P2 driver (from “P2 ICV Filter w/ P2 Drivers” CD included in Arbitrator kit) to PC. Then, select the removable disc drive in PC that inserted P2 card. Right click on that drive and select “format”
P2 Store (AJ-PCS060G) 	Before format, Install the P2 driver (from “P2 ICV Filter w/ P2 Drivers” CD included in Arbitrator kit) to PC. Then, press “Format P2C” button on the unit

	Vista	XP Pro SP2	2000 Pro SP4 + Hot Fix	Server 2003
PCMCIA slot (Card Bus) in PC	Y	Y	N	N
5 slot P2 Drive (AJ-PCD20P) through USB	Y	Y	Y	N
5 slot P2 Drive (AJ-PCD20P) though IEEE1394	Y	Y	N	N
P2 Store (AJ-PCS060G) through USB	Y	Y	Y	N

(2) “CONFIG” Menu for Administrator

1. Select “CONFIG” tab of SI and enter the password* to log in.
2. Then, “CONFIG”, “OPERATIONS” and “REGISTRATION” tab will be appeared. Press “CONFIG” for configuring all the system settings.



*The default password is “pass” and the administrator can change the password at “Admin Password” in “Config”

Admin Password change settings

Auto Power Off setting to VPU
and/or in car PC

Camera settings

Date & Time settings

File Transfer settings
(Upload/Export/Burn to DVD)

On Screen Display settings

Program recording settings

Record & play mode settings

Day & night view auto switch and
snapshot directory settings

Triggers (8GPIO) settings



Press “APPLY” to apply
the setting changes.

(3) REC/Play Set up

Enable or disable output of recording error status as GPIO9

Enable or disable output of recording status as GPIO9

Initial Audio 2 setting, INCAR, 2nd WMIC or LINK CAM

Initial camera select, camera 1 or 2

1 fps (frame per sec) recording

Set Post Rec Time (0 to 90 seconds)

Power off time setting after shutting down the ignition

Start recording when VPU is turned on

Set Pre Rec Time (0 to 90 seconds)

Recording will continue up to 1,2,5,10,15,20,30, 60, 90, or Continue even if pressing STOP button

Recording mode: F-2Mbps (720x480, 30fps)
F-1Mbps (720x480, 10fps), Q-1Mbps (320x240, 30fps)
Q-512kbps (320x240, 30fps)

Setting	Value
GPIO9 For Error	ENABLE
GPIO9 For Rec	ENABLE
Init Audio2 In Select	LINK CAM
Init Audio2 Rec	ON
Init Camera Select	1
Intermittent Rec	OFF
PostRec Time(Audio)	0
PostRec Time(Video)	0
PowerOff Time	AUTO
PowerOn Rec	OFF
PreRec Time(Audio)	10
PreRec Time(Video)	10
Rec Continue Time	Continue
Resolution / RecRate	F-2M
Rule of Filename	WT

Press "APPLY" to apply the setting changes.

(4) Camera Control

Auto Zoom / IR Set up

1. Select “CONFIG” tab of SI and enter the password* to log in.
2. Then, press “CONFIG” and select “Camera”.

Set the level of camera input gain control

Select “Auto”, “Preset” or “Disable”

“Auto”: Auto focus operates when the zoom ratio is changed.

“Preset”: Camera is focused at 50ft when zoom ratio is 3x below.

“Disable”: Focus is locked at 130ft and auto focus is not available.

Adjust “Auto Zoom Magnification” selecting from “1,2,3,4,5,7,10,15, or 22” and “Auto Zoom time” for zoom magnification retention time from “3,5, or 8” seconds

Select “Auto”, “Off”, “On” or “Last”

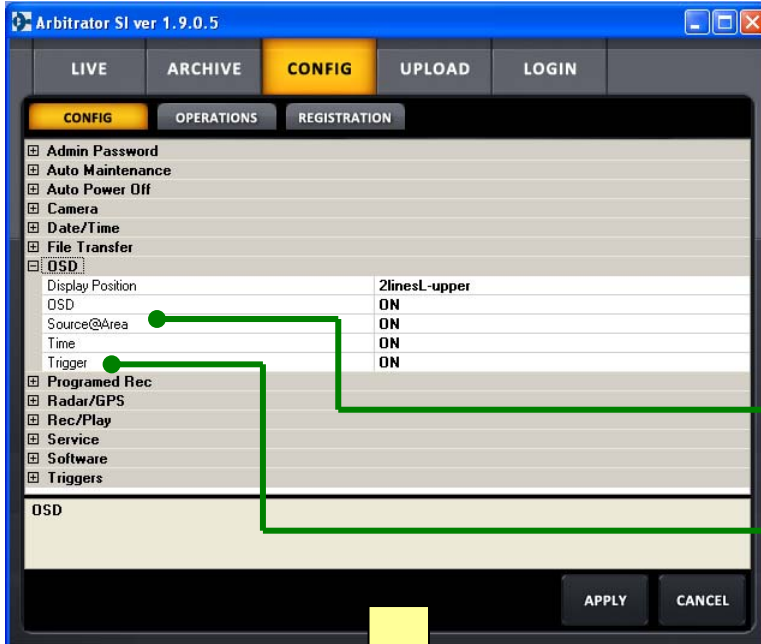
Enable or disable LPR
(License Plate Recognition)

When setting “Init IR Mode” as “Auto”, select IR Level, “Low”, or “High” and IR Time, “10, 30, 60 or 300”

Adjust “Zoom Limit”, “x22” for optical or “x220” for digital

Press “APPLY” to apply the setting changes.

(5) OSD (On Screen Display) Set up

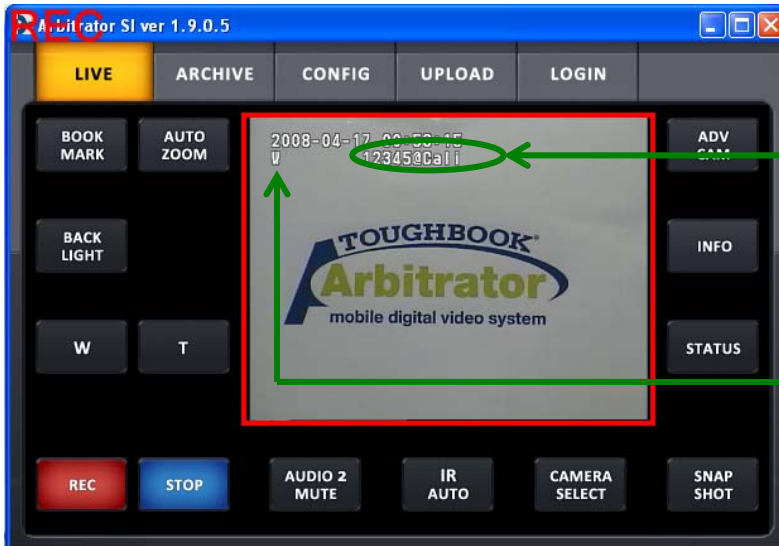


1. Select “CONFIG” tab of SI and enter the password to log in.
2. Then, press “CONFIG” and select “OSD”.

***OSD (On Screen Display) for the Date/Time, Trigger and Source (Vehicle-ID)/Area set up by Administrator will be included in the recorded file.**

“Source (Vehicle ID) @ Area” will be displayed on screen and recorded in the recorded file.

“Printable (A to Z)” of the trigger will be displayed on screen and recorded in the recorded file.



“Source (Vehicle ID) @ Area”

- *1. Source (Vehicle ID) and Area need to be set up “LOGIN” menu.
- *2. Total 10 letters of “Source @ Area” will be displayed on screen. For example, if Vehicle ID is “1234567” and Area is “California”, it will be “12345@Cali” appeared on screen.

“Printable (A to Z)” of the trigger

*Printable (A to Z) needs to be set up at “CONFIG” menu-“Triggers”.

(6) Upload

(a) Set up the location of the video that needs to be uploaded

1. Select “CONFIG” tab of SI and enter the password* to log in.
2. Then, press “CONFIG” and select “File Transfer” for the location of video that needs to be uploaded.

Burn to CD/DVD

Select the CD/DVD drive that is connected

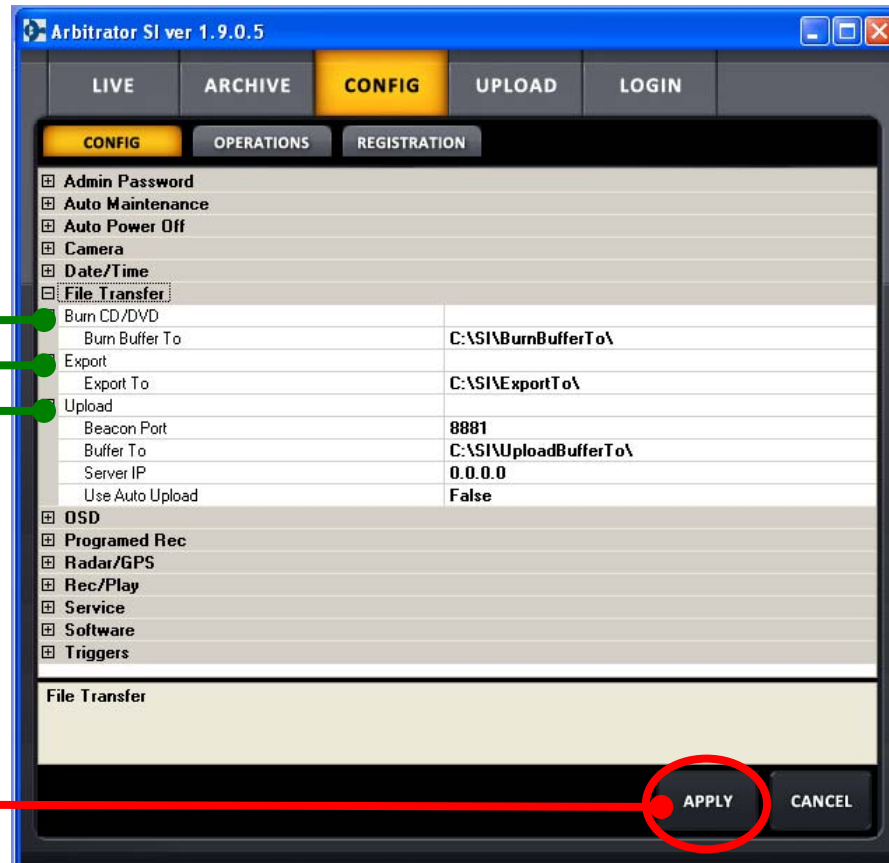
Export to HDD of PC or the external device

Select the drive that just export except CD/DVD drive, which does not need any writer to export

Wireless Upload

Configure the setting checking with the backend server to be uploaded

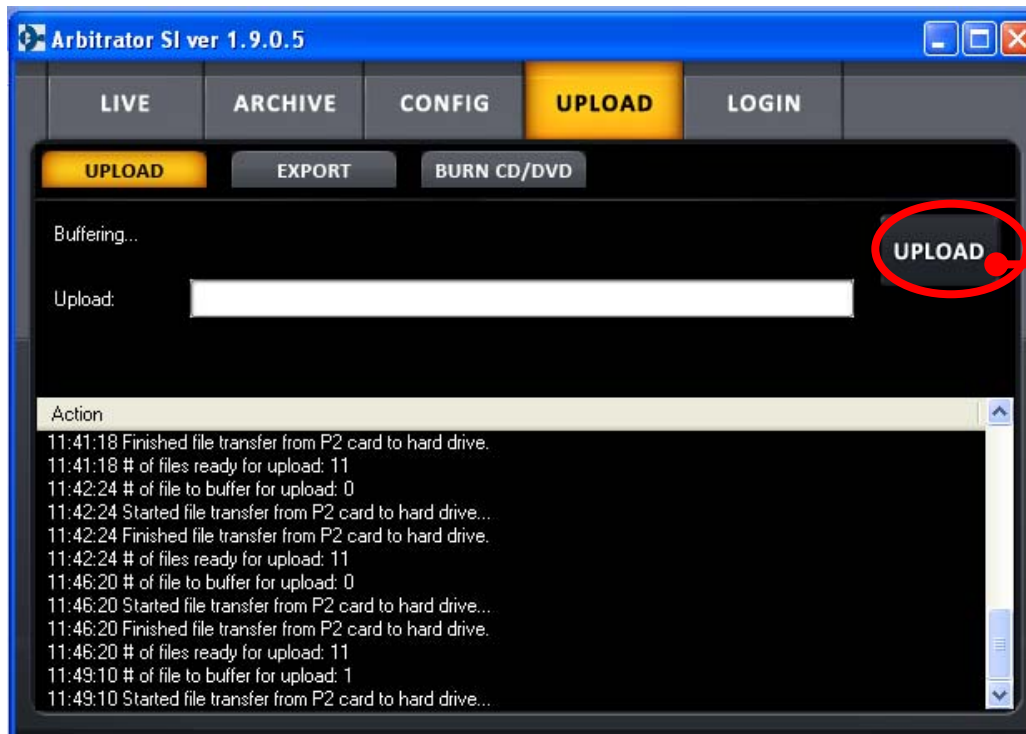
Press “APPLY” to apply the setting changes.



(6) Upload

(b)-1. WIRELESS UPLOAD

1. Select “UPLOAD” tab of SI and press “UPLOAD”
2. If Administrator sets up as **Manual upload** at “CONFIG”*, officer needs to **press “UPLOAD” button** when upload.
(*Menu: “CONFIG”-”File Transfer”-”Upload”-”Use Auto Upload”=“**False**”)
3. If Administrator sets up as **Auto upload** at “CONFIG”*, officer does **NOT need to press “UPLOAD” button** and video is automatically uploaded.
(*Menu: “CONFIG”-”File Transfer”-”Upload”-”Use Auto Upload”=“**True**”)

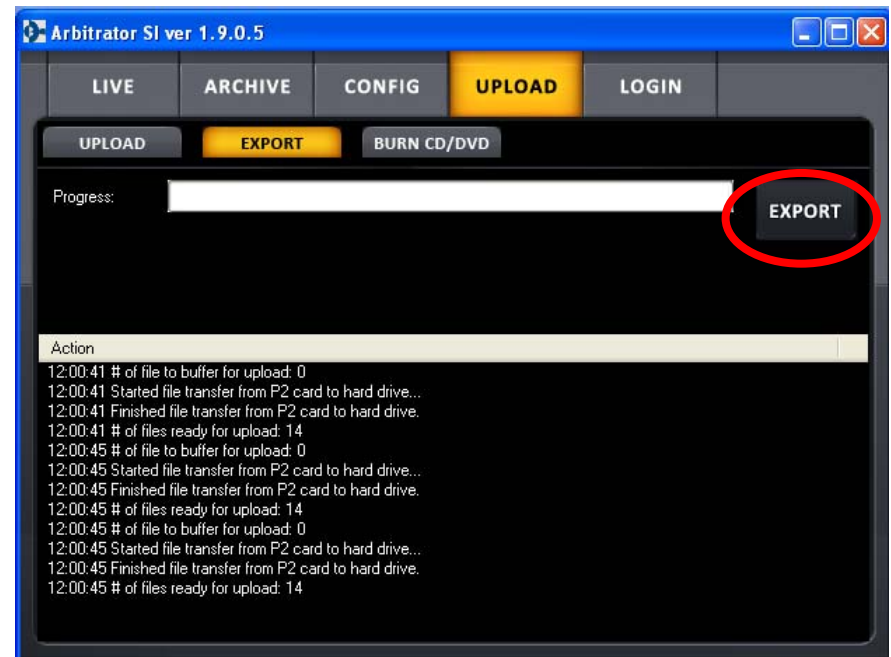
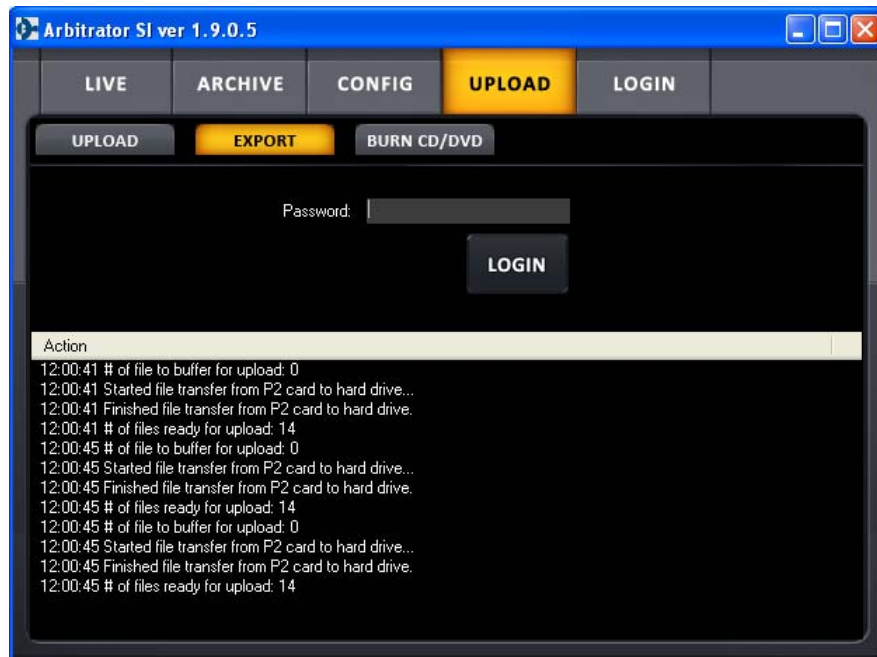


*When setting up as **Manual** at “Config”,
Need to press this button.
*When setting up as **Auto** at “Config”,
No need to press this button

(6) Upload

(b)-2. EXPORT

1. Select “UPLOAD” tab of SI and press “EXPORT” and enter the password* to log in.
2. Then, press “EXPORT” button and video will be exported to the location where administrator set up at “CONFIG”.
(Menu: “CONFIG”-”File Transfer”-”Export”)

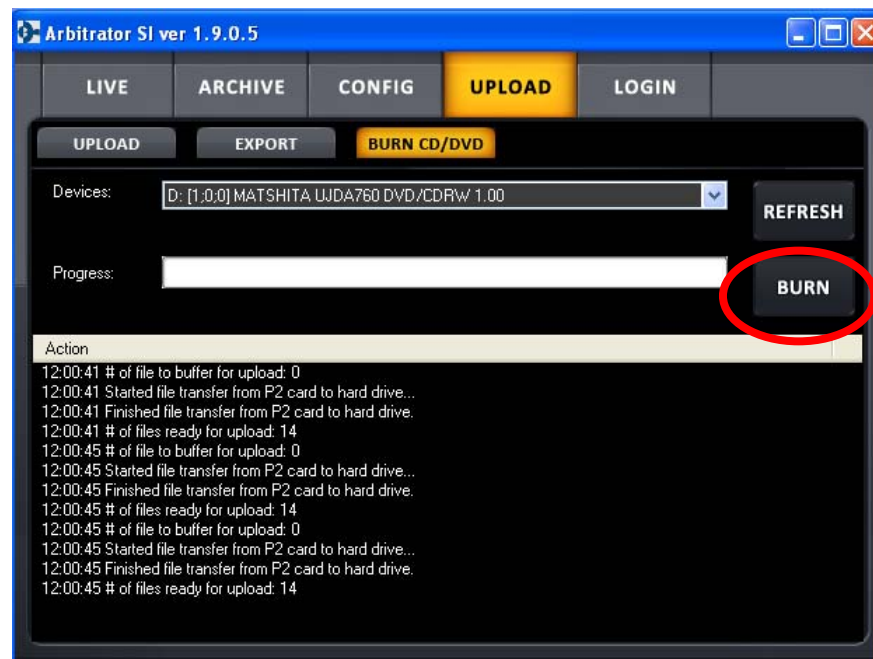
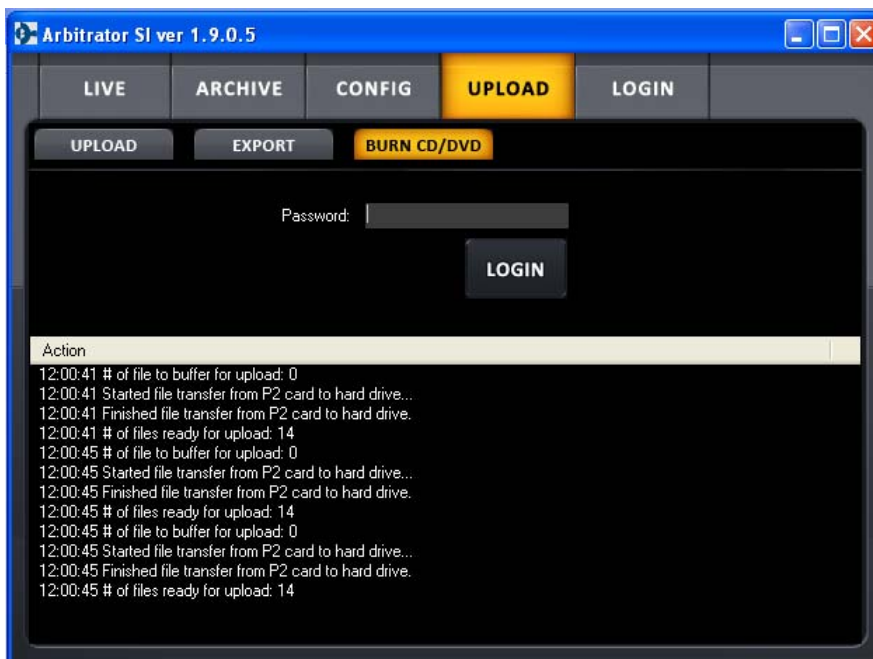


*The default password is “pass” and the administrator can change the password at “Admin Password” in “Config”

(6) Upload

(b)-3. BURN CD/DVD

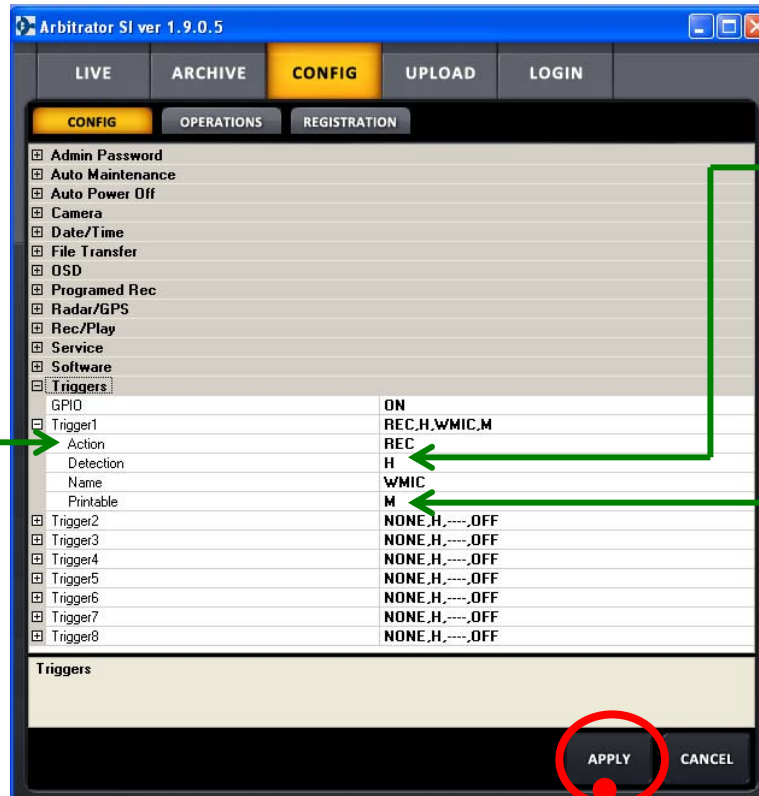
1. Select “UPLOAD” tab of SI and press “BURN CD/DVD” and enter the password* to log in.
2. Then, select “Devices” and press “BURN” button and video will be burned to CD/DVD where administrator set up at “CONFIG”. (Menu: “CONFIG”-”File Transfer”-”Burn CD/DVD”)



*The default password is “pass” and the administrator can change the password at “Admin Password” in “Config”

(7) Trigger Set up

1. Select "CONFIG" tab of SI and enter the password to log in.
2. Then, press "CONFIG" and select "Triggers".



Select the Detection from the followings and choice of detection depends on "Action":

1. In "REC", "CAM1REC", "CAM2REC" at Action, Select the detection from "H", "Level H", "L", "Level L", "B".
2. In "CAM1", "CAM2", "CAM1LED", "AUTOZOOM", "STOP" selected the detection from "H", "L", "B".
3. In "None", select the detection from "H", "L", "SPEED" (Trigger 8 only)

Assign the characters to be used in the OSD.
 *When SPEED is selected at the trigger, "Printable" becomes "-" and cannot be modified.
 No OSD is displayed.

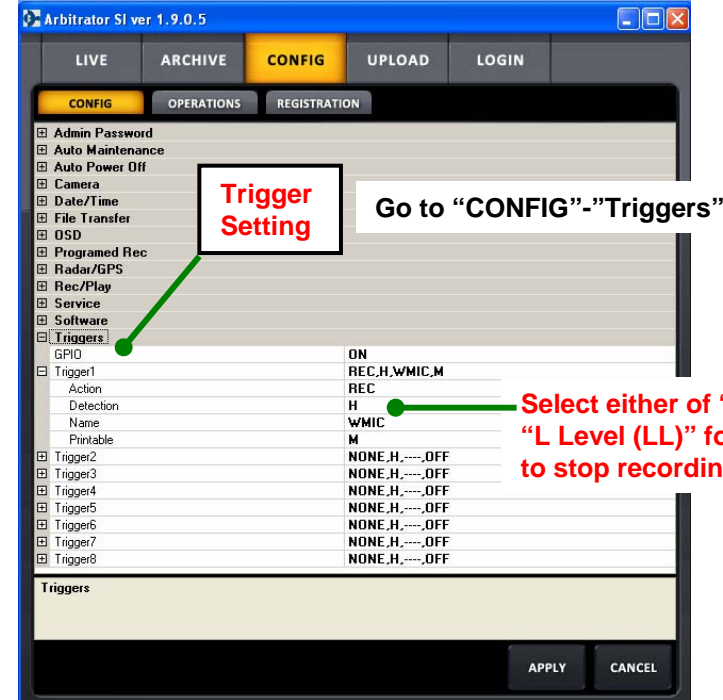
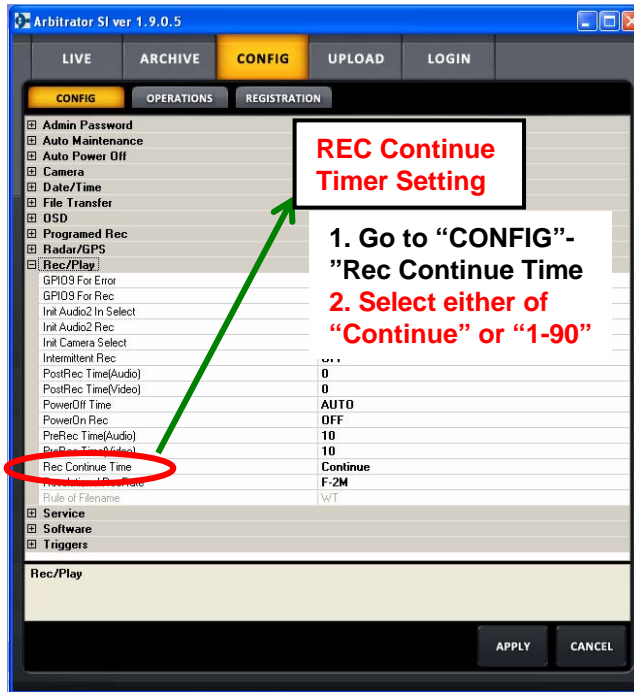
Press "APPLY" to apply the setting changes.

Trigger On or Off setting

Select "Action" from the followings for the detection of trigger signals

"REC"
 "STOP"
 "AUTOZOOM"
 "CAM1"
 "CAM2"
 "CAM1REC"
 "CAM2REC"
 "CAM1LED": Change ON/OFF of REC lamp on the Front Camera (AG-CK10P)
 "NONE": No operation

(7) Trigger Set up - Stop recording by Trigger OFF



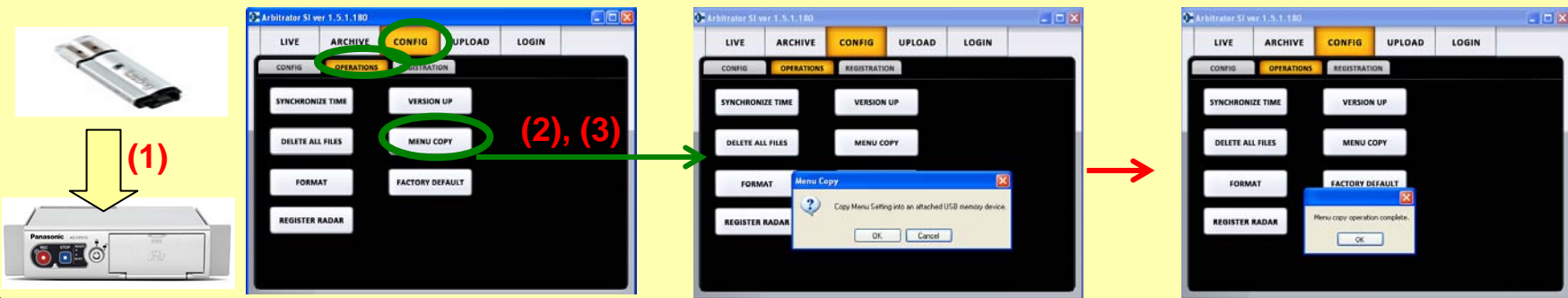
Stop Recording by Trigger OFF	Detection (Level Signal Setting)	REC Continue Time (Timer Setting)	Stop Recording Priority
Yes	Yes (Level H or Level L) ex. Level H 	No ("Continue")	1) "STOP" button is pressed. 2) Trigger OFF
		Yes ("1 - 90")	1) "STOP" button is pressed. 2) Trigger OFF 3) "REC Continue Time"
No	No (H, L, No, or B)	No ("Continue")	"STOP" button is pressed.
		Yes ("1 - 90")	1) "STOP" button is pressed. 2) "REC Continue Time"

[Remark] 1. If setting up more than 2 triggers as Level Signal, start recording when the 1st trigger is turned on and stop recording when all triggers set up as Level Signal are turned off.
2. Minimum recording time is 1 minute when setting up the trigger as Level Signal.

(8) Menu (VPU settings) Copy

[Step 1] Get a setting configuration file from the VPU which settings need to be copied to other VPUs.

- Plug **an USB memory*** to the VPU which settings need to be copied to other VPUs.
 - Select “CONFIG” tab of SI and enter the password to log in.
 - Press “Operation” and “MENU COPY” button if you agree to copy menu settings to the USB memory.
- *This action creates a setting configuration file in the USB memory. **Please use the USB memory to get the setting configuration file because even if inserting a P2 card, it cannot be created in the P2 card.**
 When some USB memory may not get the file, please use the different USB memory.



[Step 2] Copy the settings to the 2nd VPU.

Plug the USB memory stored a setting configuration file at [Step 1] to the 2nd VPU.
Leaving the P2 card slot open, follow the procedure in the chart below.

***Menu/VPU setting, Administrator/Officer information, Event Type (Bookmark) and Radar setting will be copied**, but the following data will **NOT** be copied:
 Operating Time for AG-CPD15/Fan/CAM1/AG-RCP30, LCD Lighting Time, BIOS creation date, Last Errors, Version for AG-CPD15/AG-RCP30/Microcontroller



Procedure	Duration (Sec)	LED Display		
		REC	READY	BUSY
1) Keep pressing “REC” button for 10 SEC till “Ready” or “Busy” lamp starts to flash	10	OFF	(Flash) ↔ Either LED will flash	(Flash)
2) Loading a configuration file	20 to 50	ON	Flash	ON
3) Press “STOP” button when “Ready” lamp lights (“REC”/”Busy” lamp starts to flash.)	---	Flash	ON	Flash
4) Reboot and the copy completed.		OFF	OFF	OFF

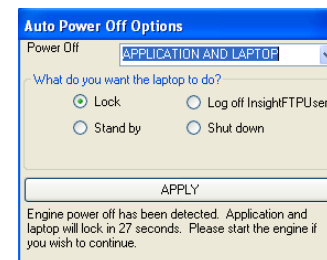
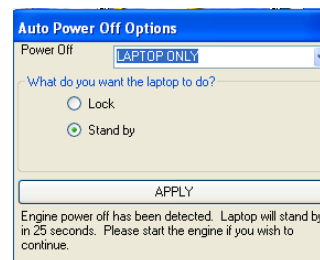
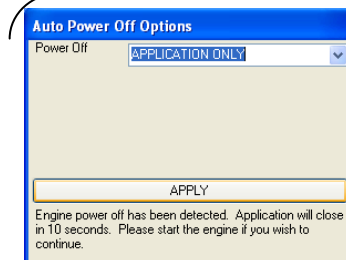
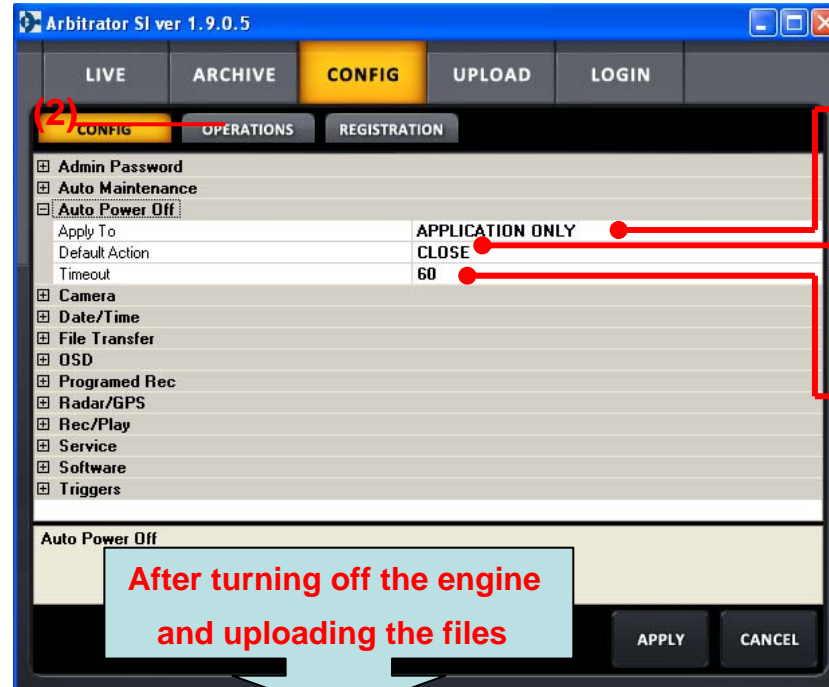
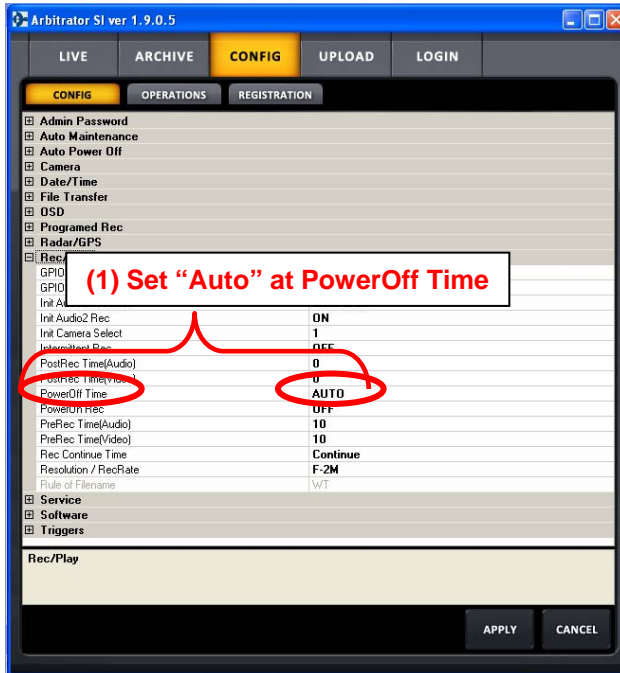
(9) Auto Power Off Settings

“Auto Power Off” function enables to shut down the SI (Application), In car PC and VPU* automatically after turning off the car engine and uploading the files.

(1) Set up “Auto” as Power Off Timer under “Config” and “Rec/Play”.

(2) Go to “Auto Power Off” under “Config” and select which actions to take after uploading.

*In this setting VPU is always turned off after turning off the car engine and uploading the files.



During this screen, you can change the action to choose.

APPENDIX: Setting Files for VPU by USB memory or P2 Card

The chart below indicates whether USB memory or P2 card can be used for each file to be loaded to VPU.

	USB Memory	P2 Card
VPU Firmware Upgrade File*1	YES	YES Please format P2 card by PC and save the VPU firmware before upgrading it.
Officer/Administrator Information Text File*2	YES	NO
Event Type Text File*2	YES	NO
Menu Copy Setting Configuration File (to get from the original VPU)	YES	NO

*1: Please **DO NOT** save any other files or folders except VPU Firmware Upgrade File into USB memory or P2 card.

*2: Please make sure to save **these text files under “WIDKEY” folder** to USB memory.

If saving the files under some other folder to USB memory, no information will be loaded to the VPU.

Even If saving some other folders together with “WIDKEY” folder (including these text files) to USB memory, these information will be loaded to VPU.